

In the Claims:

Claims 1-4 are amended herein.

1. (currently amended) A well jet device for logging horizontal wells comprising a ring, ~~which is~~ arranged on the ~~a~~ lower section of a casing string, with a stepped through channel intended for installing a sealing unit, a smooth tubing string with a jet pump installed ~~on it~~ thereon, in the body of the said jet pump an active nozzle and a mixing chamber with a diffuser are arranged as well as a channel for supplying an active medium, a channel for supplying a medium pumped out of a well and a stepped through channel are made, the latter channel ~~being~~ embodied in such a way that it is possible to having install therein either a blocking insert having a through channel and serving for closing the channel for supplying an active medium or a depression insert which, when installed, closes the tubing string in its cross-section, a logging device is arranged on the lower end of the tubing string, a sealing unit is put on the tubing string between the logging device and the jet pump ~~in~~ such a way that the sealing unit ~~may be~~ is axially ~~move~~ movable relative to the tubing string, and the lower section of the tubing string above the logging device is ~~made~~ perforated.

2. A method of operating a well jet device for logging horizontal wells consisting in installing the ring with the

stepped through channel into the lower section of the casing string, then ~~the~~ installing a jet pump with ~~the~~ a stepped through channel made in its body and installing the logging device ~~installed~~ on the lower end of the tubing string ~~and~~ arranged below the jet pump ~~are lowered~~ an lowering the well jet device into the well on ~~the~~ a smooth tubing string, ~~the~~ making a perforated section ~~is made~~ in the lower end of the tubing string, and preliminarlily putting the sealing unit, which is movable relative to the tubing string, ~~is~~ preliminarily put on the tubing string between the logging device and the jet pump, registering background values of the production formation physical parameters ~~are~~ registered with the use of the logging device in the process of lowering, then arranging the sealing unit ~~is~~ arranged in the stepped through channel made in the ring, and arranging the logging device ~~is~~ arranged in the area of production formations, afterwards installing a depression insert ~~is~~ installed into the stepped through channel made in the body of the jet pump, thus separating the tubing string, and feeding an operating medium ~~is~~ fed over the tubing string to the nozzle of the jet pump, thus creating a series of different-value depressions pressure depressed zones in the well below the sealing unit, measuring the well flow rate at each depression value ~~the~~ well flow rate ~~is~~ measured and registering the bottom-hole pressure ~~is~~ registered, then, when the jet pump is in operation, moving the logging device ~~is~~ moved along production formations by moving the tubing

string together with the jet pump relative to the sealing unit, and registering the geophysical parameters of production formations and the formation fluid coming into the well ~~are registered~~; when the study is completed, raising the tubing string ~~is raised~~ to the surface together with the jet pump, the sealing unit and the logging device.

3. (currently amended) The method of operating according to Claim 2, characterized in that after registration of the geophysical parameters of the production formations and the formation fluid coming into the well, making additional measurements of the geophysical parameters ~~are made~~ when the jet pump is stopped.

4. (currently amended) The method of operating according to Claim 2, characterized in that after registration of the geophysical parameters of the production formations and the formation fluid coming into the well, carrying out an additional study of production formations ~~is carried out~~, for which purpose chemical agents are pumped into the well over the tubing string through its lower perforated section, and carrying out a chemical treatment of the near-borehole area in the production formations ~~is carried out~~, in such a case, removing the depression insert ~~is removed~~ from the stepped through channel made in the body of the jet pump and ~~substituted by~~ substituting a blocking insert with the axial through channel.